

Number: Number and Place Value



COUNTING					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number	<p>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number</p> <p><i>Pupils should count in fractions up to 10, starting from any number and using the 1/2 and 2/4 equivalence on the number line (Non Statutory Guidance) (copied from Fractions)</i></p>	<p>Count backwards in 10s, 100s, and 1000s from different starting points</p> <p>Begin to introduce counting through zero to include negative numbers</p> <p>count up and down in tenths (copied from Fractions)</p>	<p>count backwards through zero to include negative numbers (counting in various equal steps from a variety of starting points – positive and negative)</p> <p>count up and down in tenths and hundredths (copied from Fractions)</p>	<p>interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero</p> <p>count up and down in tenths, hundredths and thousandths (copied from Fractions)</p>	<p>use negative numbers in context, and calculate intervals across zero</p> <p>count up and down in tenths, hundredths and thousandths (copied from Fractions)</p>
count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens (also appears in multiplication and division)	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward (also appears in multiplication and division)	count from 0 in multiples of 4, 8, 50 and 100; (also appears in multiplication and division)	count in multiples of 6, 7, 9, 25 and 1000 (also appears in multiplication and division)	count forwards or backwards in steps of powers of 10 for any given number up to 1000 000 (also appears in multiplication and division)	
given a number, identify one more and one less	find 10 more or less than a given number	find 10 or 100 more or less than a given number	find 1000 more or less than a given number		
COMPARING NUMBERS					
use the language of: equal to, more than, less than (fewer), most, least	compare and order numbers from 0 up to 100; use <, > and = signs	compare and order numbers up to 1000 use <, > and = signs	<p>order and compare numbers beyond 1000 use <, > and = signs</p> <p>compare numbers with the same number of decimal places up to two decimal places (copied from Fractions)</p>	<p>read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit use <, > and = signs (appears also in Reading and Writing Numbers and</p>	<p>read, write, order and compare numbers up to 10 000 000 and determine the value of each digit use <, > and = signs (appears also in Reading and Writing Numbers and understanding place value)</p>

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				understanding place value)	
IDENTIFYING, REPRESENTING AND ESTIMATING NUMBERS					
identify and represent numbers using objects and pictorial representations including the number line	identify, represent and estimate numbers using different representations, including the number line	identify, represent and estimate numbers using different representations including the number line where appropriate	identify, represent and estimate numbers using different representations including the number line where appropriate	identify, represent and estimate numbers using different representations	identify, represent and estimate numbers using different representations

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READING AND WRITING NUMBERS (including Roman Numerals)

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
read and write numbers from 1 to 20 in numerals and words.	read and write numbers to at least 100 in numerals and in words	read and write numbers up to 1000 in numerals and in words	read and write numbers up to 100,000 in numerals	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers and understanding place value)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Comparing Numbers and understanding place value)
		<i>tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks</i> (copied from Measurement)	read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.	read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	

UNDERSTANDING PLACE VALUE

	recognise the place value of each digit in a two-digit number (tens, ones)	recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	recognise the place value of each digit in a four-digit and five digit number (ten thousands, thousands, hundreds, tens, and ones)	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers and comparing numbers)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers and comparing numbers)
		<i>find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as unit and tenths (not hundredths)</i> (copied from Fractions)	<i>find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths</i> (copied from Fractions)	<i>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents</i> (copied from Fractions)	<i>identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places</i> (copied from Fractions)

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				find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths (copied from Fractions)	
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ROUNDING					
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	round any number to the nearest 10	round any number to the nearest 10 or 100	round any number to the nearest 10, 100 or 1 000	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	round any whole number to a required degree of accuracy
			round decimals with one decimal place to the nearest whole number <i>(copied from Fractions)</i>	round decimals with two decimal places to the nearest whole number and to one decimal place <i>(copied from Fractions)</i>	solve problems which require answers to be rounded to specified degrees of accuracy <i>(copied from Fractions)</i>
PROBLEM SOLVING					
	use place value and number facts to solve problems	solve number problems and practical problems involving these ideas.	solve number and practical problems that involve all of the above and with increasingly large positive numbers	solve number problems and practical problems that involve all of the above	solve number and practical problems that involve all of the above